(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 1 December 2005 (01.12.2005)

PCT

(10) International Publication Number WO 2005/113264 A1

(51) International Patent Classification⁷: B60C 27/00

(21) International Application Number:

PCT/JP2005/008545

(22) International Filing Date: 27 April 2005 (27.04.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

2004-194751 24 May 2004 (24.05.2004) JP 2004-349129 21 October 2004 (21.10.2004) JP

(71) Applicant and

(72) Inventor: SAKAKIBARA, Kouichi [JP/JP]; 1-103-1, Sugaminami, Hotsu-cho, Hashima-shi, Gifu- Ken, 501-6335 (JP).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,

GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

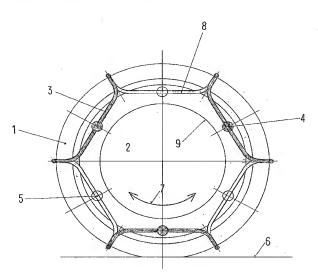
— of inventorship (Rule 4.17(iv)) for US only

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SLIP-PREVENTING DEVICE FOR VEHICLE TIRE



(57) Abstract: A slip-preventing device has plural sets of arm frames for a tire. Each set of the arm frames has a pair of crossing components, an inner side component and a pair of outer side components. Each pair of the crossing components is bent closely on the tread of the tire so as to extend to part of an inner sidewall and to part of an outer sidewall. The inner side component connects bent parts of the pair of-crossing components with each other along part of the curved surface of the inner sidewall: Each pair of the outer side components extends in the circumferential direction of the tire along part of the curved surface of the outer sidewall from bent parts of the pair of the crossing components. Each of the arm frames has: a link unit at each leading end of the outer side components so as to link detachably with the other arm frame fitted next in the installation on the tire. The arm frames are linked with each other only by the link unit.

